<mark>ថ្</mark> ខ ISBN - <b>97806189</b> !	98869	Publisher -	Houghton Mifflin	Company
Kentucky Experience Science Comprehensive Package				
Type - P2 Author - Badders, Carnine, Jeanpierre, Feliciani, Sumners, Valentino, Poore				
Copyright - 2009	Edition - 1	st	Readability -	2.67 SSR Spache
Course - Elementar	y Science		Grade(s) -	3
Teacher Edition ISBN if applicable 978061896567			9780618965670	

#### **Overall Recommendation:**

**⊠** Recommended as Basal

## **Overall Strengths, Weaknesses, Comments:**

- \*ELL and Technology support, while referenced in the teacher's edition, are not available without receiving the gratis materials.
- \*The readability of the text is above grade level, and includes excessive vocabulary in some sections.
- \*The correlation of materials with state standards is questionably in areas, like for Big Idea 5, Biological Change.
- \*Critical thinking questions in the student text are well written.
- \*Students get the opportunity to see data represented in a variety of charts and graphs, and interpret that data.
  - \*Investigations are engaging, and include lots of helpful teacher tips.

#### **CRITERIA**

This basal resource ...

	Thio basai recourse			
A.		compasses KY Content Standards & Grade Level sectations	☐ Strong Evidence ☐ Moderate Evidence ☐ Little or No Evidence	
	☐ Text is designed to be used in an elective course outside the Program of Studies			
1) Includes the 7 Big Ideas of science to the following extent:				
	a)	Structure and Transformation of Matter	Strong ☐ Moderate ☐ Little ☐ N/A	
	b)	Motion and Forces	☐ Strong ☑ Moderate ☐ Little ☐ N/A	
	c)	The Earth and the Universe	☐ Strong ☑ Moderate ☐ Little ☐ N/A	
	d)	Unity and Diversity	Strong	
	e)	Biological Change	☐ Strong ☐ Moderate ☒ Little ☐ N/A	
	f)	Energy Transformation	Strong ☐ Moderate ☐ Little ☐ N/A	
	g)	Interdependence	☐ Strong ☑ Moderate ☐ Little ☐ N/A	

2)	Addresses content-specific enduring understandings from the related Program of Studies standards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A
3)	Addresses content-specific skills and concepts from the related Program of Studies standards.	☐ Strong ☑ Moderate ☐ Little ☐ N/A
4)	Content addressed is current, relevant and non-trivial	Strong ☐ Moderate ☐ Little ☐ N/A
5)	Provides opportunities for critical thinking/reasoning	☐ Strong ☑ Moderate ☐ Little ☐ N/A
6)	<ul> <li>Strengths, Weaknesses, Comments:</li> <li>Specific strengths-which areas/concepts are covered expecific weaknesses-which areas/concepts would likely</li> </ul>	•
corr to s four *In* *So curr *Wi thai text *Plat* *Fo inve *Th circe *Mi	chough correlations for the Kentucky Big Ideas are strelations. For example, the correlation with Big Ideas upport this where students are observing and sorting two pages of the student text relate to Standard vestigations fill in gaps in student text, with regard the me higher-level concepts are presented, which would reculum (i.e. chemical changes, kinetic/potential energiculum (i.e. chemical changes, kinetic/potential energiculum (i.e. chemical changes, we find no investigate in magnetism activities. Motion concepts are addressed is also heavily focused on simple machines. Eather pattierns are not thoroughly addressed; few atterns. Good activities for weather phenomena, such investigations are varied and congruent with state of chains within different habitats are addressed in estigations.  The energy transformations section includes some good uit construction lab involves a solar cell and motor. In mimal investigations on interdependence are included critical thinking questions in the student text included upplied in the investigations predominantly guiding questions in the student text includes guiding questions in the investigations predominantly guiding questions in the student text includes guiding questions are student text includes guiding questions in the student text includes guiding questions are student text includes guiding guiding questions are student text includes guiding guiding quest	5, Biological Change, lists activities g rocks and testing minerals. We 5. o states of matter (i.e. water). d allow for acceleration of rgy.) tions of position and motion, other ed in student text, however. Student activities to address weather as rain, clouds, etc. d through activities as well as text. The standards. The text, but not through d light investigations. The only d. e some good questions, but
B.	Functionality & Suitability	Strong Evidence Moderate Evidence Little or No Evidence
1)	Suitability	Strong ☐ Moderate ☐ Little ☐ N/A
	<ul> <li>Should be suitable for use with a diverse population and ethnicity, gender, religion, social and/or geographic env any kind.</li> </ul>	
2)	Content quality	Strong ☐ Moderate ☐ Little ☐ N/A

- Free from factual errors
- Content is presented conceptually when possible—more than a mere collection of facts
- Content included accurately represents the knowledge base of the discipline
- Theories/scientific models contained represent a broad consensus of the scientific community

3)	Connections to Literacy Note: may apply to either student or teacher editions	☐ Strong ☑ Moderate ☐ Little		
	<ul> <li>Employs a variety of reading levels and is grade/level appropriate</li> <li>Contains pre, during, post reading activities</li> <li>Provides opportunities for summarizing, reviewing, and reinforcing at multiple levels of difficulty for a variety of learning styles.</li> <li>Student text provides opportunity to integrate reading and writing</li> <li>Uses vocabulary that is age and content appropriate</li> <li>Focuses on critical vocabulary vs. extensive lists</li> <li>Identifies key vocabulary through definitions in both text and gloss</li> <li>Engaging text- does the text facilitate learning?</li> <li>Does understanding the text require having performed the imbede</li> </ul>	g vocabulary skills and concepts		
4)	Connections to Technology	☐ Strong ☑ Moderate ☐ Little		
	<ul> <li>Integrates technology and reflects the impact of technological advances</li> <li>Uses technology in the collection and/or manipulation of authentic data</li> </ul>			
5)	Support for Diverse Learners	☐ Strong ☐ Moderate ☒ Little		
	<ul> <li>Provides support for ESL students</li> <li>Provides support for differentiation of instruction in diverse classrooms Note: may apply only to teacher edition</li> </ul>			
<ul> <li>6) Strengths, Weaknesses, Comments:</li> <li>Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.</li> </ul>				
Vocabulary lists are extensive in some sections and may present frustration for this grade evel (i.e. wavelength, trough, crest in the sound section, leaf margin, netted and parallel reins in the plant classification.)  Teacher's edition contains a science reader support section with preview it, read it, and issess it questions.  A student glossary is included at the end of each section, and includes some pictures to selp illustrate the concepts.  *Test generator, the online science reader, eduplace.com website (simulations), National Geographic videos and an ELL handbook are referenced in the teacher's edition, but may only be available as gratis materials.				
;.	Supports Inquiry and Skill Development	Strong Evidence Moderate Evidence Little or No Evidence		

1) Promotes Inquiry, research and Application of Learning	☐ Strong  Moderate  Little		
<ul> <li>Provides opportunities for inquiry and research that includes activities such as self-selecting topics, formulating authentic questions, gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions.</li> <li>Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, etc.)</li> <li>Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.</li> <li>Provides opportunities for application of learned concepts.</li> <li>Uses a variety of relevant charts, graphs, diagrams, time lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.</li> <li>Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.</li> <li>Note: may apply to either teacher or student edition</li> </ul>			
2) Skill Development	Strong		
<ul> <li>Provides opportunities to make sense of data</li> <li>Provides opportunities for critical thinking and reasoning (analyze arguments, distinguish fact/opinion, recognize bias)</li> <li>Provides opportunities to examine a range of types of evidence</li> <li>Contains embedded activities (or extensions) that emphasize use of technology for problem solving         Note: may apply to either teacher or student edition     </li> <li>Strengths, Weaknesses, Comments:</li> </ul>			
There are not many opportunities for self selected inquiry investigations.  Diverse use of graphical representations of data.  *Critical thinking questions are included at the end of each section in the student book. Students are asked to interpret a variety of data.			
D. Supports Best Practices of Teaching and Learning	Strong Evidence Moderate Evidence Little or No Evidence		
1) Engages Students			
• Includes content geared to the needs interests and abilities of	students		

- Includes content geared to the needs, interests, and abilities of students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated Note: may apply to either teacher or student edition

2) Uses Assessment to Inform Instruction		
<ul> <li>Includes multiple means of assessment as an integral part of instr</li> <li>Provides evaluation measures in the teacher edition that supports</li> <li>Embedded assessments reflect a variety of Depth of Knowledge I Note: may apply to either teacher or student edition</li> </ul>	differentiated learning activities	
<ul> <li>Strengths, Weaknesses, Comments:</li> <li>Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards</li> </ul>		
*Investigations include a variety of high interest activities.  *Assessments include questions of various DOK levels.		
E. Has an Organization/ Format that Supports Learning and Teaching	☐ Strong Evidence ☑ Moderate Evidence ☐ Little or No Evidence	
1) Organizational Quality	Strong	
<ul> <li>Print and/or electronic materials present minimal barriers to learned.</li> <li>Presents chapters/lessons in an organized and logical sequence.</li> <li>Provides clearly stated objectives for each lesson.</li> <li>Uses text features (e.g., titles, headings, subheadings, review que space, print, type size, color) to enhance readability.</li> <li>Makes use of various forms of media (e.g., CD's, recordings, vide software, web-based components) as either student or teacher re</li> <li>Includes clear, accurate, appropriate and clearly explained illustrate reinforce content standards.</li> <li>Incorporates a glossary, footnotes, recordings, pictures, and/or tean using the book effectively</li> <li>Uses grade-appropriate type size</li> <li>Included media are durable, easy to use and have technical merit</li> <li>Construction appears to be durable and able to withstand normal</li> </ul>	estions, goals, objectives, eos, cassette tapes, computer esources ations and/or graphics that sts that aid pupils and teachers	
2) Essential Components (beyond student and teacher text)	☐ Strong ☑ Moderate ☐ Little	
<ul> <li>Items identified as essential components support the learning goal basal</li> </ul>	als and concept coverage of the	
<ul> <li>3) Strengths, Weaknesses, Comments:</li> <li>Reviewers may provide page numbers to point out specific strong evaluation standards.</li> </ul>	examples for individual	
*Organization of student text uses appropriate text features to c includes an illustrated glossary in each section.	lue students to vocabulary,	
*Student objectives are stated in teacher's edition.  *Teacher's edition section on supporting the science reader does student pages of the text	s not include a copy of all	

\*The essential components alone (without the gratis materials) are weak in technology and ELL support.

\*Specialized materials required for some investigations are included in the kit.

F.	Note: The decision whether to recommend or not recommend	Strong Evidence Moderate Evidence Little or No Evidence
	and recourse de a basar criteria net be initiaented by estation	

#### 1) Ancillary/Gratis Materials

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- · Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving

### 2) Strengths, Weaknesses, Comments:

 Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

\*Illustrated vocabulary cards, independent and leveled readers, ELL support, a test generator, student workbook and study guide, and express lab (5 min. lab ideas) that are included would be very helpful.

\*The blackline masters for the investigations are in the gratis materials. Be sure you get those if you select this basal!